



POTTER INSTRUMENT COMPANY, INC.
EAST BETHPAGE ROAD

PLAINVIEW, NEW YORK 11803



POTTER INSTRUMENT COMPANY
East Bethpage Road • Plainview, New York 11803

The Leader in EDP Equipment



T. A. Nelson
Systems Consultant
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HERE IS THE INFORMATION YOU REQUEST

First Class

LP 3000 SERIES LINE PRINTER



FEATURES

- Price breakthrough — LOW COST
- High Reliability — Unique Design, Order of Magnitude Parts Reduction
- Medium Speed — Up to 135 lines per minute
- High Capacity — 64 characters, alpha, numeric, & symbolic — Up to 132 columns
- Quiet operation
- Single and Multi-Part Copy
- Integrated Circuit Electronics
- Compact Self-contained Pedestal Mounting



DESCRIPTION

The Potter LP 3000 Series Line Printers are designed to fill the void between one-character-at-a-time printers and high speed line printers. They operate on an entirely new principle using a rotating scanner with only 12 actuators.

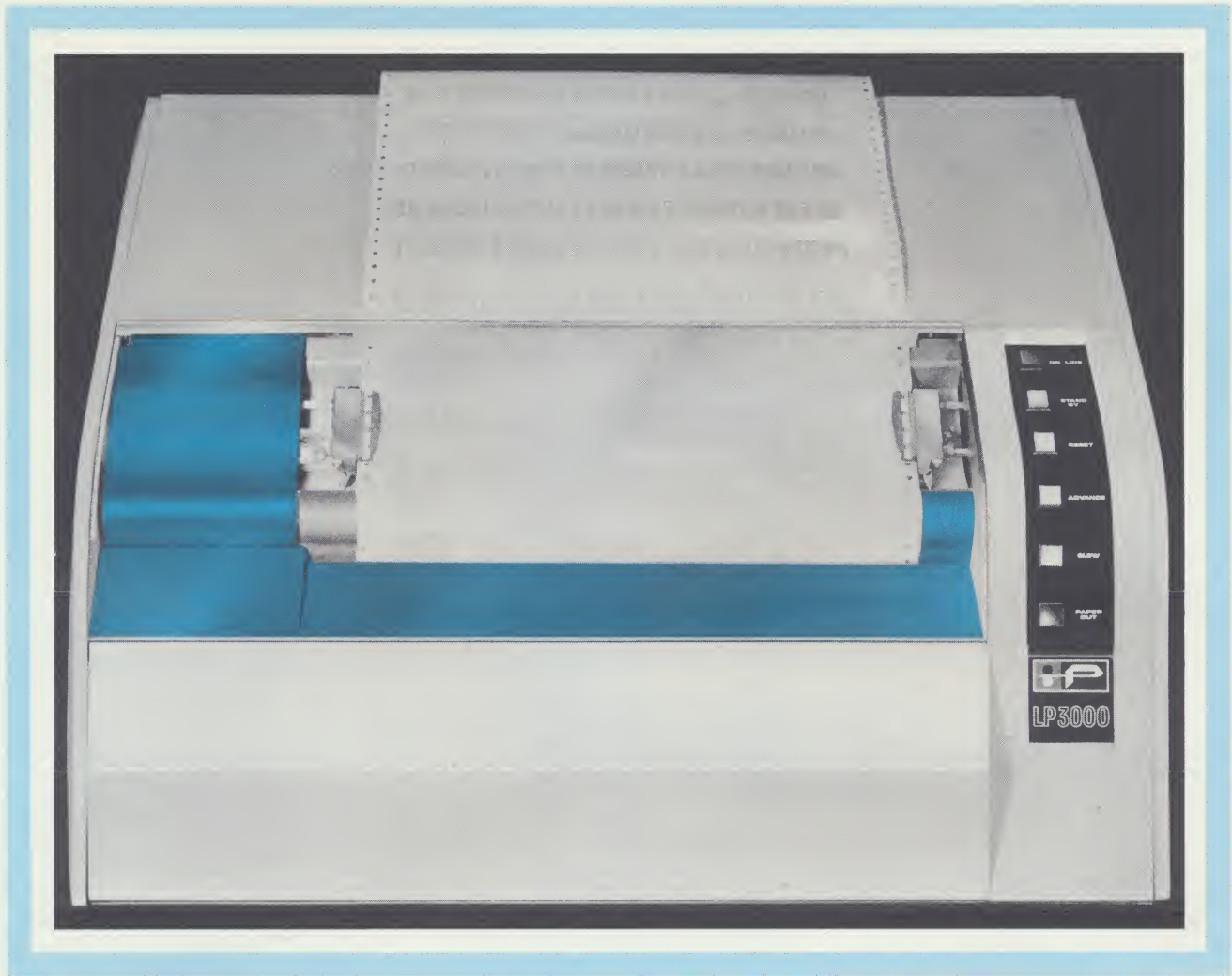
The inherent simplicity of the LP 3000 Series provides a new level of reliability never before achieved. The design requires only a fraction of the parts used in other printers. Complex mechanical devices required for precision line and character control have been replaced by a new printing mechanism. Further

simplification is provided with maintenance-free integrated circuit electronics.

These new Potter printers operate at 300 characters per second or 135 lines per minute using 64 characters and up to 132 columns. Since the LP 3000 Series are impact printers using a 5 x 7 dot matrix, they produce clear readable characters with a multiple copy capability.

The LP 3000 Series Line Printers are fully buffered devices each completely self-contained in a compact pedestal mounted cabinet.

EFFECTIVE: May 15, 1970



LP 3000 Control Panel

APPLICATIONS

The LP 3000 Series operate at a speed which matches standard voice-grade telephone lines. Typical applications in the EDP industry include:

- Output printer for mini-computers
- Console printer for large scale CPU
- Remote batch terminals
- Hard copy output for CRT terminals
- Time sharing terminals
- Output printer for accounting and small business computers
- Listing printer for key-to-tape systems
- Buffered keyboard terminal output

PRINT MECHANISM

The LP 3000 Series utilizes Potter's newly developed printing technique. In operation, paper moves past 12 linear actuators impacting a rotating scanner to form 5 x 7 dot matrix characters. Printing is accomplished with a self-inking system or with pressure sensitive paper.

CHARACTER COMPLEMENT

Characters are stored electronically within the LP 3000 in a 5 x 7 dot matrix read-only MOS memory module. The standard character set consists of 64 ASCII coded alphanumeric characters, or a 64 character EBCDIC set. Special alphanumeric, and symbolic character sets are optionally available. Graphics can also be printed.

Replacement of a character set is readily accomplished by replacing one plug-in integrated circuit module.

PAPER FEED SYSTEM

Precise vertical registration is provided by an automatic paper feed system. The paper is driven by pin feed tractors to accommodate the various form widths. The tractors are movable by the operator within the print area. Paper is loaded simply and easily.

Paper feed on the LP 3000 Series is 1/4" per second while printing with paper advance between lines at 2 1/2 ips and 10 ips slew. A 4 or 12 channel vertical format control is optionally available.

CONSOLE

The LP 3000 units are housed in an attractive, compact, pedestal cabinet. The contemporary-styled, acoustically insulated cover is easily removed for immediate access to all internal components. Convenient accessibility is also provided for all operator controls and indicators.

DATA AND CONTROL ELECTRONICS

Data and control electronics are all solid state. MSI and integrated circuits are used to the greatest extent. All circuits are mounted on removable printed circuit modules. Modular power supplies further facilitate maintenance. Maintenance switches and logic are built into the unit for ease of servicing.

SPECIFICATIONS**MECHANICAL**

Print Speed	135 LPM
Number of Characters	64
Characters Per Line	88 Standard, 132 Optional
Column Spacing	1"
Line Spacing	6 LPI Standard
Character Size	.070 wide x .100 high nominal
Print Registration	
Horizontal	± .010
Vertical	± .010
Self Inking	Optional
Paper Feed	1/4" /sec. while printing 2 1/2" /sec. slew between lines 10 ips slew
Forms Control	Start/Stop feed Optional: 4 or 12 channel Vertical Formal Loop
Forms	
Without self inking	Pressure sensitive — up to 3 parts
With optional self inking	Up to 3 part standard forms
Forms Width	4"—14 7/8" wide

ELECTRICAL

Buffer Storage	Full Line
Data Input Rate	Synchronous Data Entry, 33 KC max.
Codes	Std. 6 bit ASCII or EBCDIC
Interface Levels	Logic "0" = +5V Logic "1" = 0V DTL — Compatible
Line Voltage	115V ± 10% 60Hz ± 1% 230V ± 10% 50Hz ± 1% Single Phase
Power Consumption	900 watts max.

ENVIRONMENT

Ambient Conditions	Operating 50°F to 105°F Storage & Transit —50°F to +150°F
Humidity	Operating 10% to 90%, no condensation Storage & Transit 5% to 95%, no condensation

PHYSICAL

Size	31" Wide x 12" High x 27" Deep on a 29" pedestal
Weight	Approximately 120 pounds

OPERATOR CONTROLS AND INDICATORS

Control/Indicator	Type	Function
On Line	Momentary Push Button Illuminated	Places printer on-line
Standby	Momentary Push Button Illuminated	Indicates printer ready to go on-line. Depression places printer off-line
Reset	Momentary Push Button	Resets data and control electronics
Single Line Advance	Momentary Push Button	Advances paper 1 line
Slew	Push Button	Slews paper while depressed
Paper/Ribbon Out	Indicator Lamp	Indicates paper or ribbon out condition

SALES AND FIELD SERVICE CENTERS**NORTHEAST DISTRICT**

East Bethpage Road
Plainview, New York 11803
Telephone: (516) 694-9000
New York City: (212) 895-8786
TWX: 510-224-6485
CABLE: PICO

665 Woodstock Avenue
Tonawanda, New York 14150
Telephone: (716) 837-0595

9 Meriam Street, Suite 18
Lexington, Mass. 02173
Telephone: (617) 861-0705

2 Carriage Drive
Thompsonville, Connecticut 06082
Telephone: (203) 289-8718

MIDDLE ATLANTIC DISTRICT

1400 Spring Street
Silver Spring, Maryland 20910
Telephone: (301) 588-0030

Fort Washington Industrial Park
Fort Washington, Penna. 19034
Telephone: (215) 643-5533

NORTH CENTRAL DISTRICT

18610 West Eight Mile Road
Southfield, Michigan 48075
Telephone: (313) 353-9822

MIDWEST DISTRICT

Suite 115
2220 East Devon Avenue
Des Plaines, Illinois 60018
Telephone: (312) 827-6623

4510 West 77th Street
Suite 275
Minneapolis, Minnesota 55424
Telephone: (612) 920-4973
TWX: 910-576-2947

SOUTHEAST DISTRICT
2559 Creek View Drive
Marietta, Georgia 30060
Telephone: (404) 436-6191

SOUTHWEST DISTRICT

4031 Broadway
Houston, Texas 77017
Telephone: (713) MI 3-2114
TWX: 910-881-2575

3327 Winthrop Avenue
Ft. Worth, Texas 76117
Telephone: (817) 738-1702

1640 Gilbreth Road
Burlingame, California 94010
Telephone: (415) 692-1722

715 East Mission Drive
San Gabriel, California 91776
Telephone: (213) 283-8177
TWX: 910-589-3372

INTERNATIONAL**POTTER INSTRUMENT COMPANY, LTD.**

McGraw-Hill House
Maidenhead, Berkshire, England
Telephone: MAidenhead 20361
CABLE: PICO MAIDENHEAD
TELEX: 851-84330

CANADA

MEGATRONIX, LTD.
954 Wilson Avenue
Downsview 461, Ontario
Telephone: (416) 630-7672
TWX: 610-491-1713

FACIT AB

Data Products Department
Fack
Solna 1, Sweden
Telephone: Solna 08/29 00 20
TELEX: 19035
CABLE: FACIT SOLNA

GERMANY

Potter Instrument Co., G.m.b.H.
2 Norderstedt 3
13 Koesliner Weg
West Germany
Telephone: 0411/5273096

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Thank You ...

for your interest in Potter Peripheral Equipment. The information you requested is attached. Potter equipment is the result of 25 years of design and manufacturing experience combined with the latest technological advances. We feel sure you'll find that they will meet your performance standards. Our Engineering Department would be happy to work with you in applying Potter Peripherals to your system. If you would like additional information on any Potter product or if you would like an Applications Engineer to contact you just fill out the attached card and drop it in the mail.



POTTER
INSTRUMENT CO., INC.

Please send information on the products checked:

SINGLE CAPSTAN MAGNETIC TAPE UNITS

- ☐ AT-1092 Automatic Threading—to 200 ips
 - ☐ AT-1082 Automatic Threading—to 150 ips
 - ☐ SC-1081 High Performance—to 150 ips
 - ☐ SC-1051 Medium Range—to 75 ips
 - ☐ SC-1030 Series — Low Cost — to 45 ips
 - ☐ Other (specify)_____
-

RANDOM ACCESS MEMORY UNITS

- ☐ DD4311 Disk Drive
- ☐ DD4314 Disk Drive

LINE PRINTERS

- ☐ HSP-3502 Chain Printer
— 64 Characters, 300 lpm
- ☐ HLX-570 Low Cost Line Printer
— 64 Characters, 135 lpm

MILITARY PRODUCTS

- ☐ Military Magnetic Tape Units
- ☐ Militarized Perforated Tape Readers
- ☐ Militarized Line and Strip Printers

MAGNETIC CHARACTER SYSTEM

- ☐ General information
 - ☐ Potential application_____
-

- ☐ Have Potter Applications Engineer call
- ☐ Add my name to your mailing list

Name_____

Title_____

Company_____

Street_____

City_____State_____Zip_____

Telephone_____

Business Reply Mail

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